

## Product datasheet for **RC209407**

### **C2ORF29 (CNOT11) (NM\_017546) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                                     |
|---------------------------|-----------------------------------------------------|
| Product Type:             | Expression Plasmids                                 |
| Product Name:             | C2ORF29 (CNOT11) (NM_017546) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                             |
| Symbol:                   | C2ORF29                                             |
| Synonyms:                 | C2orf29; C40                                        |
| Mammalian Cell Selection: | Neomycin                                            |
| Vector:                   | pCMV6-Entry (PS100001)                              |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                |



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**ORF Nucleotide Sequence:**

>RC209407 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGCCCGCGGAGGGGCGAGCGCGGCTCTGCCGGCTTCTACCGCGCGGAGCAAAGAGGGTCCCGGG  
 AAGCGGCAGGGTCGGCGTCCAGGAGCGGCTTCGGGGGCTCCGGCGCGGAGAGGCGGAGCAAGCGGCC  
 CGGGTCCGGGAGCGAGGCCCTGGGGGCCCCGCGGCGAGGATGAGCTTGACCCGAAGGAGCTCTCGAGC  
 CTGCTGAGCATCATATCGGAGGAGGCGGCGGCGGCGAGCACCTTCGAGGGCCTGTCCACCGCCTTCACCC  
 ACTACTTCAGCAAGGCCGACCACTTCGGCTGGGCTCGGTGCTCGTCATGCTGCTCCAGCAGCCGACCT  
 GCTGCCTAGCGCGGCGCAGCGCCTCACGGCGCTCTACCTGCTCTGGGAGATGTACCGCACCGAGCCGCTG  
 GCCGCCAACCCCTTCGCCGCCAGCTTCGCGCACCTGCTCAACCCCGCGCCGCCGCCCGCGGCGGCCAGG  
 AACCCGACCGCCCTCCGCTCTCAGGATTTTACCTCCTATAACTCCACCAGAAAAGTTTTTCTTTCCCA  
 GCTGATGCTGGCACCCCGGGAACCTTCAAAAAGACGCTCGCCAGATTGCACTGATGGACGTTGGA  
 AACATGGGCCAGTCTGTGGACATTAGTGGGCTTCAAGTAGCCTTGCCGAACGCCAATCTGAATTGCCAA  
 CGCAAAGCAAAGCGAGCTTCCCCAGTATTCTCAGTGACCCAGACCCGGATTCTTCTAATTCTGGATTGGA  
 CAGCTCAGTTGCCTCTCAGATCACAGAAGCTTTAGTCAGCGGACCAAAGCCACCTATTGAAAGCCATTTT  
 CGACCAGAGTTTATTCGTCCACCGCCTCCACTCCACATTTGTGAGGATGAACTTGCTTGGCTAAACCCCA  
 CGGAGCCTGACCACGCGATCCAGTGGGATAAATCGATGTGTGTTAAGAATAGCACTGGTGTGGAGATCAA  
 ACGAATAATGGCCAAAGCCTTCAAAAGCCCTTATCCTCTCCCAACAAACACAGCTACTTGGTGAGTTG  
 GAAAAAGACCCCAAACTTGTCTACCATATTGGCCTCACCCAGCCAACTTCTGACCTTGTGAAAAACA  
 ACCCTTTAGTCGCTATAGAAATGTTGCTGAAATTAATGCAGTCAAGCCAGATCACTGAGTATTTCTCTGT  
 CCTGGTCAATATGGACATGTCTTTACATTCAATGGAAGTTGTAATCGACTAACTACAGCTGTTGATCTA  
 CCTCTGAATTTTACCTTTATATATCAAAATGCATCTCTACTTGTGAACAGATTAAGGATAAATATA  
 TGCAGAATCGGTTGGTGCCTTGTGTGTGTGTTCTCCAATCCTGATCCGTAACAAAATTATTAATGT  
 ACAGGATTTGTTATAGAAGTGCAGGCATTCTGTATTGAATTCAGTAGGATACGAGAAGCTGCTGGTCTT  
 TTCGGTTGTTGAAGACATTGGATACTGGGGAACACCTTCTGAGACCGAAATGTCAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC209407 protein sequence  
 Red=Cloning site Green=Tags(s)

MPGGGASAAAGRLLTAAEQRSREAAGSASRSGFGSGGGRGGASGPGSGSGGPGGPAGRMSLTPKELSS  
 LLSIIIEEAGGGSTFEGLSTAFHHYF SKADHFRLGSLV MLLQQPDLLPSAAQRLTALYLLWEMYRTEPL  
 AANPFAASFALLNPAPPARGGQEPDRPPLSGFLPPIITPPEKFFLSQLMLAPPRELFKKTPRQIALMDVG  
 NMQSVDISGLQLALAERQSELPTQSKASFPSILSDPDSSNSGFDSSVASQITEALVSGPKPIESHF  
 RPEFIRPPPLHICEDELAWLNPTDPDHAIQWDKSMCVKNSTGVEIKRIMAKAFKSPLSSPQQTQLLGEL  
 EKDPKLVYHIGLTPAKLPDLVENNPLVAIEMLLKLMQSSQITEYFSLVNMDMSLHSMEEVNNRLTTAVDL  
 PPEFIHLYISNCISTCEQIKDKYMQNRLVRLVCVFLQSLIRNKIINVQDLFIEVQAF CIEFSRIREAAGL  
 FRLLKTLDTGETPSETEMSK

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6525\\_d05.zip](https://cdn.origene.com/chromatograms/mk6525_d05.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_017546

**ORF Size:** 1530 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_017546.3](#), [NP\\_060016.2](#)

**RefSeq Size:** 2544 bp

**RefSeq ORF:** 1533 bp

**Locus ID:** 55571

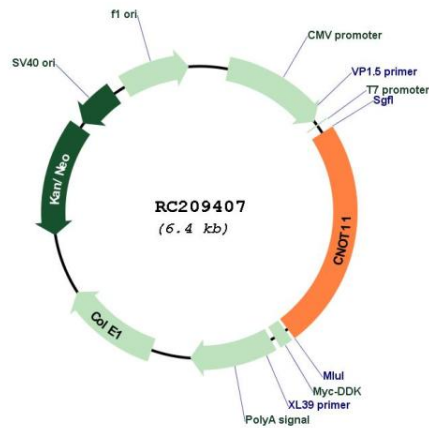
UniProt ID: [Q9UKZ1](#)

Cytogenetics: 2q11.2

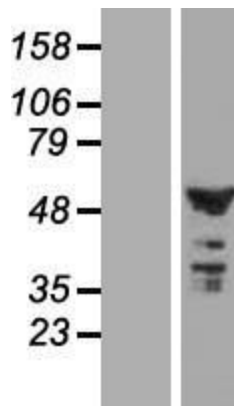
MW: 55.2 kDa

**Gene Summary:** Component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Is required for the association of CNOT10 with the CCR4-NOT complex. Seems not to be required for complex deadenylase function.[UniProtKB/Swiss-Prot Function]

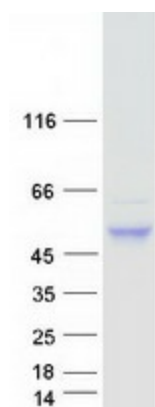
## Product images:



Circular map for RC209407



Western blot validation of overexpression lysate (Cat# [LY413693]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209407 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CNOT11 protein (Cat# [TP309407]). The protein was produced from HEK293T cells transfected with CNOT11 cDNA clone (Cat# RC209407) using MegaTran 2.0 (Cat# [TT210002]).